

**TRANSMITTAL LETTER TO THE
UNITED STATES
DESIGNATED/ELECTED OFFICE
(DO/EO/US) CONCERNING A FILING
UNDER 35 U.S.C. 371**U.S. APPLICATION NO.
(if known, see 37 C.F.R.1.5)
09/701,243INTERNATIONAL APPLICATION NO.
PCT/FR99/01247INTERNATIONAL FILING DATE
May 27, 1999PRIORITY DATE CLAIMED
May 27, 1998TITLE OF INVENTION
METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE SEQUENCE, AND PRIMERS USEDAPPLICANTS FOR DO/EO/US
Bruno MOUGIN et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ Entitlement to small entity status is hereby asserted.
16. ☐ Other items or information:

U.S. APPLICATION NO. (if known, see 37
C.F.R. 1.5) 09/701,243

INTERNATIONAL APPLICATION NO.
PCT/FR99/01247

ATTORNEY'S DOCKET NUMBER
107978

17. ☒ The following fees are submitted:

Basic National fee (37 CFR 1.492(a)(1)-(5)):

Search Report has been prepared by the EPO or JPO\$860.00

International preliminary examination fee paid to USPTO
(37 CFR 1.482)\$690.00

No international preliminary examination fee paid to USPTO
(37 CFR 1.482) but international search fee paid to USPTO
(37 CFR 1.445(a)(2))\$710.00

Neither international preliminary examination fee (37 CFR
1.482) nor international search fee (37 CFR 1.445(a)(2))
paid to USPTO.....\$1,000.00

International preliminary examination fee paid to USPTO
(37 CFR 1.482) and all claims satisfied provisions of PCT
Article 33(2)-(4)\$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

Surcharge of \$130.00 for furnishing the oath or declaration later than
☐ 20 ☒ 30 months from the earliest claimed priority date (37 CFR
1.492(f)).

Claims	Number Filed	Number Extra	Rate
Total Claims	- 20 =		X \$ 18.00
Independent Claims	- 3 =		X \$ 80.00
Multiple dependent claim(s)(if applicable)			+ \$270.00

TOTAL OF ABOVE CALCULATIONS =

Reduction by 1/2 for filing by small entity, if applicable. -

SUBTOTAL =

Processing fee of \$130.00 for furnishing the English translation later
than ☐ 20 ☐ 30 month from the earliest claimed priority date (37 CFR
1.492(f)). +

TOTAL NATIONAL FEE =

Amount to be refunded	\$
Charged	\$

- a. ☒ Check No. 115057 in the amount of \$130.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320

NAME: William P. Berridge
REGISTRATION NUMBER: 30,024

NAME: Joel S. Armstrong
REGISTRATION NUMBER: 36,430

**TRANSMITTAL LETTER TO THE
UNITED STATES
DESIGNATED/ELECTED OFFICE
(DO/EO/US) CONCERNING A FILING
UNDER 35 U.S.C. 371**

U.S. APPLICATION NO.
(if known, see 37 C.F.R.1.5)
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INTERNATIONAL APPLICATION NO.
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INTERNATIONAL FILING DATE
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TITLE OF INVENTION
METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE SEQUENCE, AND PRIMERS USED

APPLICANTS FOR DO/EO/US
Bruno MOUGIN et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

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☒ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ Entitlement to small entity status is hereby asserted.
16. ☒ Other items or information: Sequenc Listing (paper and computer readable copies)

U.S. APPLICATION NO. (if known, see 37
C.F.R. 1.5) 09/701,243

INTERNATIONAL APPLICATION NO.
PCT/FR99/01247

ATTORNEY'S DOCKET NUMBER
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17. ☐ The following fees are submitted:

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ENTER APPROPRIATE BASIC FEE AMOUNT =

\$

Surcharge of \$130.00 for furnishing the oath or declaration later than
☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR
1.492(e)).

\$

Claims	Number Filed	Number Extra	Rate
Total Claims	- 20 =		X \$ 18.00
Independent Claims	- 3 =		X \$ 80.00
Multiple dependent claim(s)(if applicable)			+ \$270.00

\$

\$

\$

TOTAL OF ABOVE CALCULATIONS =

\$

Reduction by 1/2 for filing by small entity, if applicable.

-

\$

SUBTOTAL =

\$

Processing fee of \$130.00 for furnishing the English translation later
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\$

TOTAL NATIONAL FEE =

\$

Amount to be
refunded

\$

Charged

\$

- a. ☐ Check No. _____ in the amount of \$_____ to cover the above fees is enclosed.
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SEND ALL CORRESPONDENCE TO:

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320

NAME: William P. Berridge
REGISTRATION NUMBER: 30,024

NAME: Steven J. Prewitt
REGISTRATION NUMBER: 45,023

RECEIPT FOR FILING OF PAPER

The following papers have been filed:

PCT Transmittal Letter (in duplicate); Supplemental Preliminary Amendment w/Sequence Listing (paper and computer readable copies); Information Disclosure Statement w/Forms PTO-1449, English-language International Search Report and 20 references

Name of Applicant: Bruno MOUGIN et al.

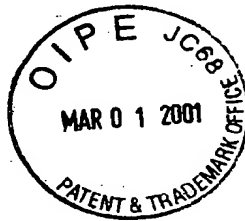
Serial No.: 09/701,243

Atty. File No.: 107976

Title (New Cases):

Sender's Initials: WPB:SJP/jca

Pg 212
line 7



PATENT OFFICE DATE STAMP

29

**COPY TO BE STAMPED BY PATENT OFFICE
AND RETURNED BY MESSENGER**

PATENT RECEIPT FOR FILING OF PAPERS

The following papers have been filed:

PCT Trans. Ltr. & Ck 115057 \$130, Decl., Asgn. Trans. Ltr. & Ck 115056 \$40, Assign.

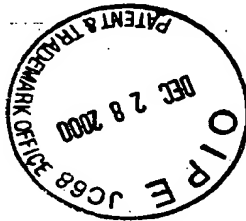
Name of Applicant: Bruno MOUGIN et al.

Serial No.: 09/701,243

Atty. File No.: 107976

Title (New Cases):

Sender's Initials: WPB/cmm



166/27

PATENT OFFICE DATE STAMP

**COPY TO BE STAMPED BY PATENT OFFICE
AND RETURNED BY MESSENGER**

42

(1390 REV. 5-93) US DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

107970

**TRANSMITTAL LETTER TO THE
UNITED STATES
DESIGNATED/ELECTED OFFICE
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U.S. APPLICATION NO.
(if known, sec 37 C.F.R.1.5)
09/701,243

INTERNATIONAL APPLICATION NO.
PCT/FR99/01247

INTERNATIONAL FILING DATE
May 27, 1999

PRIORITY DATE CLAIMED
May 27, 1998

PATENT & TRADEMARK OFFICE
INVENTION

METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE SEQUENCE, AND PRIMERS USED

APPLICANTS FOR DO/EO/US
Bruno MOUGIN et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

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13. ☐ A FIRST preliminary amendment.
- ☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ Entitlement to small entity status is hereby asserted.
16. ☒ Other items or information: Response to Notification of Missing Requirements Declaration and Sequence Listing Already Filed.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 09/701,243		INTERNATIONAL APPLICATION NO. PCT/FR99/01247		ATTORNEY'S DOCKET NUMBER 107876	
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<p>17. <input type="checkbox"/> The following fees are submitted:</p> <p style="margin-left: 20px;">Basic National fee (37 CFR 1.492(a)(1)-(5)):</p> <p style="margin-left: 20px;">Search Report has been prepared by the EPO or JPO\$890.00</p> <p style="margin-left: 20px;">International preliminary examination fee paid to USPTO (37 CFR 1.482)\$710.00</p> <p style="margin-left: 20px;">No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))\$740.00</p> <p style="margin-left: 20px;">Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$1,040.00</p> <p style="margin-left: 20px;">International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)\$ 100.00</p> <p style="text-align: right; margin-right: 20px;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width:20%;">Claims</th> <th style="width:20%;">Number Filed</th> <th style="width:10%;">Number Extra</th> <th style="width:10%;">Rate</th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> <tr> <td>Total Claims</td> <td style="text-align: center;">- 20 =</td> <td></td> <td>X \$ 18.00</td> <td>\$</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td style="text-align: center;">- 3 =</td> <td></td> <td>X \$ 84.00</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="3">Multiple dependent claim(s)(if applicable)</td> <td style="text-align: center;">+ \$280.00</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4">Reduction by 1/2 for filing by small entity, if applicable.</td> <td style="text-align: center;">-</td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL =</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 month from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td style="text-align: center;">+</td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Amount to be refunded</td> <td>\$</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Charged</td> <td>\$</td> </tr> </table>	Claims	Number Filed	Number Extra	Rate			Total Claims	- 20 =		X \$ 18.00	\$		Independent Claims	- 3 =		X \$ 84.00	\$		Multiple dependent claim(s)(if applicable)			+ \$280.00	\$		TOTAL OF ABOVE CALCULATIONS =				\$		Reduction by 1/2 for filing by small entity, if applicable.				-	\$	SUBTOTAL =				\$		Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 month from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$	TOTAL NATIONAL FEE =				\$						Amount to be refunded	\$					Charged	\$	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> <tr> <td colspan="2" style="height: 150px;"></td> </tr> </table>	CALCULATIONS	PTO USE ONLY		
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NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
 OLIFF & BERRIDGE, PLC
 P.O. Box 19928
 Alexandria, Virginia 22320

Date: October 9, 2001

NAME: William P. Berridge
 REGISTRATION NUMBER: 30,024

 NAME: Joel S. Armstrong
 REGISTRATION NUMBER: 36,430

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Bruno MOUGIN et al.

ATTN: PCT Branch

Application No.: 09/701,243

Docket No.: 107976

Filed: December 28, 2000

For: METHOD FOR AMPLIFYING AT LEAST ONE SPECIFIC NUCLEOTIDE
SEQUENCE, AND PRIMERS USED

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C 371 IN THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
DECLARATION AND SEQUENCE LISTING ALREADY FILED

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231


Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on October 1, 2001, the executed Declaration of the inventors was filed on December 28, 2000 and the Sequence Listing with a paper copy and a computer readable form was filed on March 1, 2001. A copy of the executed Declaration as filed, Sequence Listing as filed, a copy of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, and a copy of the stamped postcard receipts are attached hereto. The surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)) was also paid on December 28, 2000 with our Check No. 115057 for \$130.00.

Entry of these documents on December 28, 2000 and March 1, 2001 should have completed all of the filing formalities. Accordingly, prompt issuance of a Notification of Acceptance and Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Director is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461.

Respectfully submitted,


William P. Berridge
Registration No. 30,024

Joel S. Armstrong
Registration No. 36,430

WPB:JSA/cmm
Date: October 9, 2001

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.

09/701,243

Bruno Mougin

107976

INTERNATIONAL APPLICATION NO.

PCT/FR99/01247

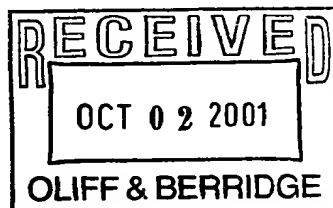
I.A. FILING DATE

PRIORITY DATE

05/27/1999

03/27/1998

Oliff & Berridge
PO Box 19928
Alexandria, VA 22320



CONFIRMATION NO. 7333

371 FORMALITIES LETTER



OC000000006789970

Date Mailed: 10/01/2001

December 1, 2001
Missing Parts

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Preliminary Amendments

DOCKETED
By PRK on 10/2 2001
and
By WPD on 10/2 2001
Oliff & Berridge

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
 - **APPLICANT MUST PROVIDE:**
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/701,243	PCT/FR99/01247	107976

PTO RECEIPT FOR FILING OF PAPERS

The following papers have been filed:

PCT Trans. Ltr., Response to NOMR, decl. & sequence listing already filed, copies of
NOMR, PCT Trans. ltrs., Decl., Sequence Listing, date-stamped postcards

Name of Applicant: Bruno MOUGIN et al.

Serial No.: 09/701,243

Atty. File No.: 107976

Title (New Cases):

Sender's Initials: WPB/cmm



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